

Technical Data Sheet

Barium Carbonate Powder

Chemical formula: BaCO₃
Molecular weight: 197.35
Tapped Density: 0.8-1.2g/cm³

Appearance: White powder, Soluble in acid,
Insoluble in water, Poisonous

Typical Analysis:

Purity	99.20% min.
Moisture	0.30% max
Total Sulphur as SO ₄	0.30% max
HCL Insoluble Matter	0.25% max.
Iron (Fe)	0.004% max
+325 Mesh	3.00% max.
Average Particle Size	5-10um

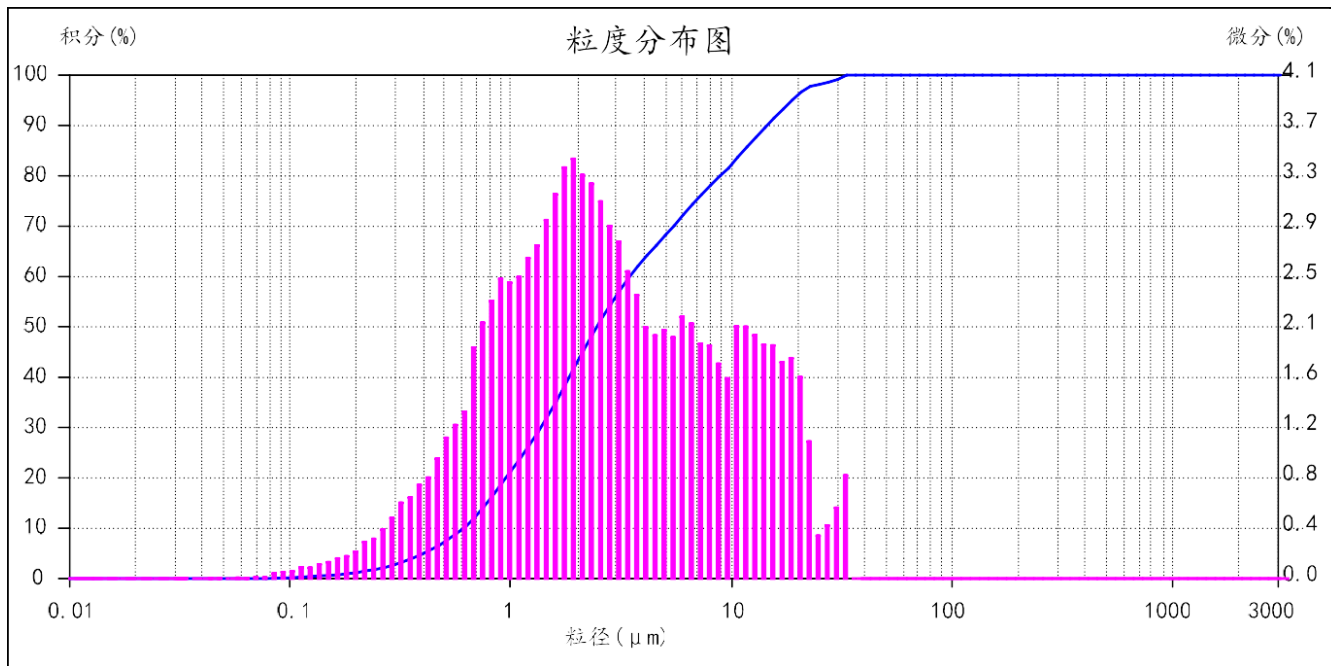
Packing: 25kg/1000kg Plastic Woven Bag

Uses: Manufacture of construction materials,
Caustic soda, ceramics, magnetic materials,
various barium salts; also used as chemical reagent, etc.

LASER PARTICLE SIZE TEST REPORT

试样名称: 碳酸钡	D3: 0.306 μm	D6: 0.444 μm
试样编号: SX-2023032001G	D10: 0.608 μm	D16: 0.805 μm
介质名称: 水	D25: 1.139 μm	D50: 2.431 μm
操作人员: 王保权	D75: 6.788 μm	D84: 10.729 μm
浓度: 73.1	D90: 14.300 μm	D97: 20.980 μm
表面积/体积: 4.4229 m ² /cm ³	D98: 23.701 μm	Model: 自由分布_2
体积平均粒径D[4,3]: 4.902 μm	面积平均粒径 D[3,2]: 1.356 μm	样品折射率: 1.51+ 0.010i
测试日期: 2023-03-20 15:17:35	文件名: 2023032001G.mjl	介质折射率: 1.33

Particle Size Distribution Chart



粒径 (μm)	积分 (%)	微分 (%)	粒径 (μm)	积分 (%)	微分 (%)	粒径 (μm)	积分 (%)	微分 (%)
0.010	0.000	0.000	1.199	26.471	2.619	63.40	100.000	0.000
0.012	0.000	0.000	1.318	29.190	2.719	69.68	100.000	0.000
0.014	0.000	0.000	1.449	32.119	2.929	76.58	100.000	0.000
0.017	0.000	0.000	1.592	35.257	3.138	84.17	100.000	0.000
0.020	0.000	0.000	1.750	38.614	3.357	92.51	100.000	0.000
0.024	0.001	0.001	1.924	42.044	3.429	101.7	100.000	0.000
0.028	0.002	0.001	2.000	43.364	1.320	111.7	100.000	0.000
0.034	0.004	0.002	2.114	45.339	1.975	122.8	100.000	0.000
0.040	0.005	0.000	2.324	48.564	3.225	135.0	100.000	0.000
0.044	0.007	0.002	2.554	51.644	3.080	148.4	100.000	0.000
0.048	0.010	0.003	2.807	54.523	2.879	163.1	100.000	0.000
0.053	0.011	0.001	3.085	57.275	2.751	179.2	100.000	0.000
0.058	0.015	0.004	3.391	59.785	2.510	197.0	100.000	0.000
0.064	0.018	0.003	3.727	62.100	2.315	216.5	100.000	0.000
0.071	0.028	0.010	4.096	64.151	2.051	237.9	100.000	0.000
0.077	0.036	0.008	4.502	66.136	1.985	261.5	100.000	0.000
0.085	0.077	0.041	4.947	68.165	2.029	287.4	100.000	0.000
0.094	0.126	0.049	5.438	70.133	1.968	315.9	100.000	0.000
0.103	0.186	0.059	5.976	72.272	2.138	347.2	100.000	0.000
0.113	0.275	0.090	6.568	74.352	2.081	381.6	100.000	0.000
0.124	0.362	0.086	7.219	76.268	1.916	419.4	100.000	0.000
0.137	0.476	0.114	7.934	78.169	1.901	460.9	100.000	0.000
0.150	0.609	0.133	8.720	79.925	1.755	506.6	100.000	0.000
0.165	0.771	0.162	9.584	81.559	1.634	556.8	100.000	0.000
0.181	0.951	0.180	10.00	82.460	0.901	611.9	100.000	0.000
0.199	1.166	0.215	10.53	83.617	1.157	672.6	100.000	0.000
0.219	1.463	0.297	11.58	85.672	2.056	739.2	100.000	0.000
0.241	1.786	0.322	12.72	87.659	1.987	812.4	100.000	0.000
0.265	2.183	0.397	13.99	89.568	1.909	892.9	100.000	0.000
0.291	2.676	0.493	15.37	91.471	1.903	981.4	100.000	0.000
0.320	3.294	0.618	16.89	93.236	1.765	1079	100.000	0.000
0.351	3.955	0.661	18.57	95.037	1.801	1185	100.000	0.000
0.386	4.717	0.762	20.41	96.683	1.645	1303	100.000	0.000
0.424	5.539	0.823	22.43	97.801	1.119	1432	100.000	0.000
0.466	6.517	0.978	24.65	98.148	0.347	1571	100.000	0.000
0.513	7.668	1.150	27.09	98.582	0.434	1723	100.000	0.000
0.563	8.922	1.254	29.78	99.159	0.577	1890	100.000	0.000
0.619	10.280	1.359	32.73	100.000	0.841	2073	100.000	0.000
0.681	12.165	1.885	35.97	100.000	0.000	2273	100.000	0.000
0.748	14.254	2.089	39.53	100.000	0.000	2494	100.000	0.000
0.822	16.522	2.268	43.45	100.000	0.000	2800	100.000	0.000
0.903	18.971	2.449	47.75	100.000	0.000	3000	100.000	0.000
0.993	21.389	2.418	52.48	100.000	0.000			
1.091	23.852	2.463	57.68	100.000	0.000			